

# POLYHEDRA EXTRA CREDIT

Some of you have expressed an interest in showing off your artistic ability and creativity. Here's your chance. Build your own Polyhedron decoration to be displayed in your Geometry classroom. Use the websites below as a guide.

Classroom Polyhedron Activities →

<http://www.georgehart.com/virtual-polyhedra/classroom.html>

Paper Models of Polyhedra → <http://www.korthalsaltes.com/>

\*\* Before creating your Polyhedron, you may want to view the "Polyhedra\_Rubric". Additionally, please keep in mind that you CANNOT build a cube and your Polyhedron should be able to hang as an ornament.

## POLYHEDRON RUBRIC

	0	1	2	4	Score
POLYHEDRON		Tetrahedron <b>OR</b> Octahedron	Cuboctohedron Truncated Cube Truncated Tetrahedron Rhombicuboctahedron	Any other Platonic Solid, Archimedean Solid <b>OR</b> Kepler-Poinsot Polyhedra	_____
SIZE	Polyhedron is less than six inches when measured across at widest.	Polyhedron is between 6 and 8 ½ inches when measured across at widest.	Polyhedron is more than 8 ½ inches when measured across at widest.		_____
CONSTRUCTION, CREATIVITY, AND APPEARANCE	Polyhedron does not hold shape.	Polyhedron is pleasant to look at. More effort could have been made to conceal edges.	Good use of color. Polyhedron is pleasant to look at. Well put together with minimal signs of tape, etc.	Extremely creative . . . it's not just a polyhedron! Polyhedron is pleasant to look at. Well put together with minimal signs of tape, etc.	_____
TOTAL:					_____

***Any extra points that you earn will count in the Test/Quiz category of your grades.***